



NETMEETIN G

V3.1

PURPOSE

 MSTP

To show the features of Microsoft NetMeeting and how it can be used in conjunction with other applications to enhance collaborative planning.

FEATURES OF MS NETMEETING



MSTP

- PC based
- Ala Carte – pick & choose from
 - VTC (audio & video)
 - Application sharing
 - Text based chat
 - White boarding
 - File transfer



NETMEETING CONCERNS

MSTP

- In a word, THROUGHPUT
 - Bandwidth is a scarce commodity
- How Netmeeting handles bandwidth
 - Priority
 1. Audio stream
 2. Data Stream
 3. Video stream
 - All bandwidth usage returns to zero during periods of inactivity



BANDWIDTH USAGE

MSTP

<u>Application</u>	<u>Average Bandwidth Use**</u>
Video <ul style="list-style-type: none">• Small window• Medium window• Large window	62kbps 130kbps 750kbps
Audio <ul style="list-style-type: none">• Half Duplex• Full Duplex	24kbps 38kbps
Application Sharing	16kbps
Whiteboarding	7kbps
Chat (text)	2kbps
File transfer	Will use all available

****if 100Mb/sec available**

ALLEVIATING BANDWIDTH ISSUES



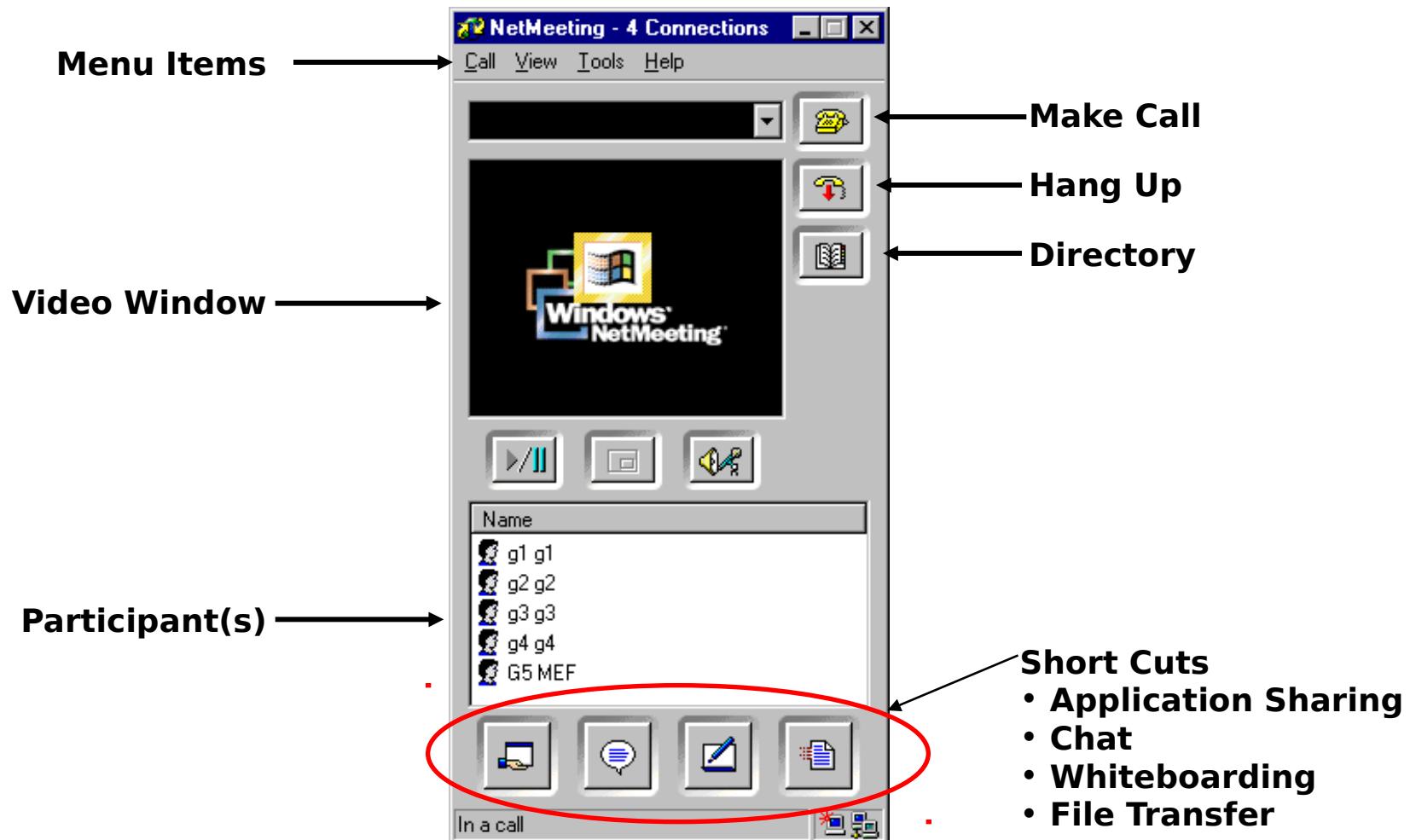
MSTP

- All features can be enabled/disabled by network administrators
 - Create a custom distribution
 - Netmeeting Resource Kit Wizard
 - Use System Policies
 - Set at Server
 - Disabling features or bandwidth throttling
- Education & awareness!

NETMEETING INTERFACE



MSTP

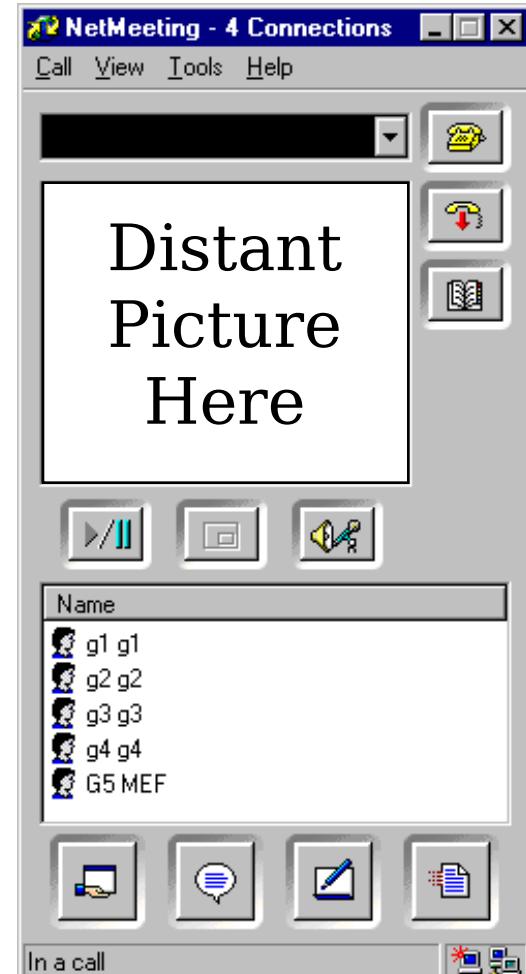


VTC - VIDEO & AUDIO



MSTP

- Conforms to ITU H.232 standard
- Point-to-point only
 - Multipoint if connected via an H.232 bridge
 - MS Conferencing Server

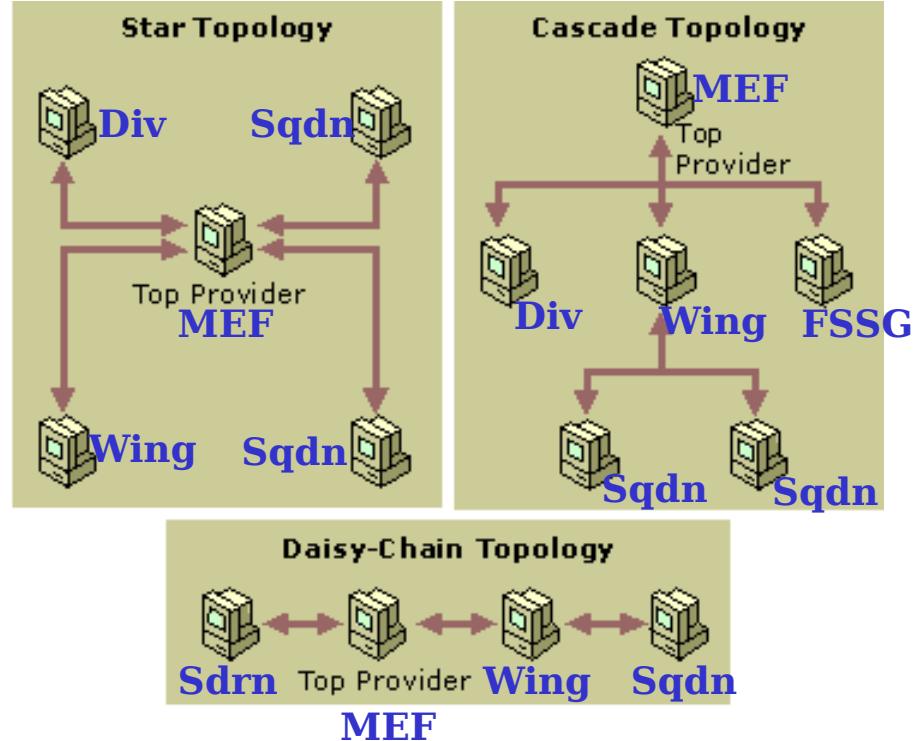




DATA CONFERENCING

MSTP

- Adheres to the ITU T.120 standard
- Point to point
- Multi-point
 - Four topologies
 - Star - Okay for within a compound
 - Cascade - Preferred over slow links
 - Daisy-Chain
 - The way you connect has bandwidth ramifications!



ESTABLISHING A CALL HIERARCHY

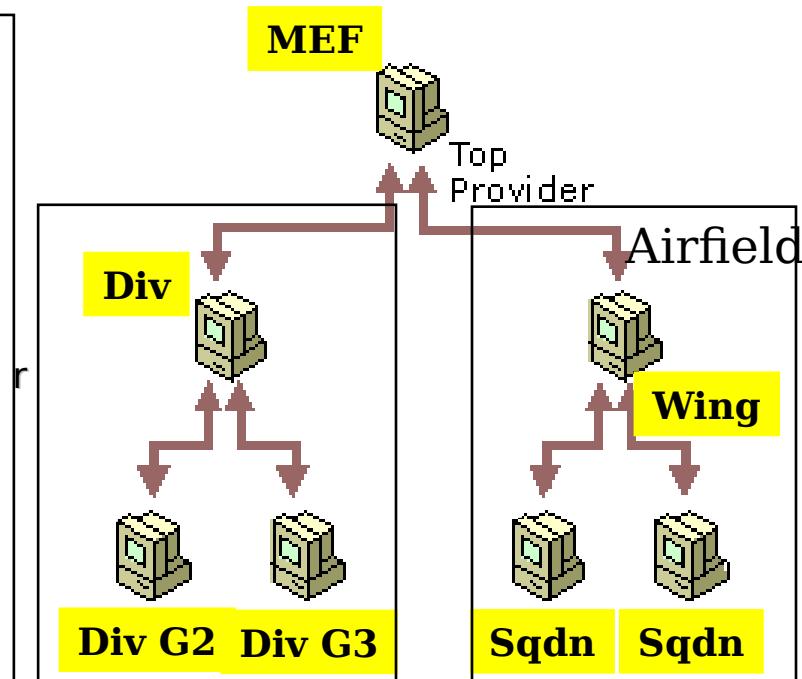


MSTP

- Data flows according to the conference topology

RULE
Only one person can join the conference at a time!

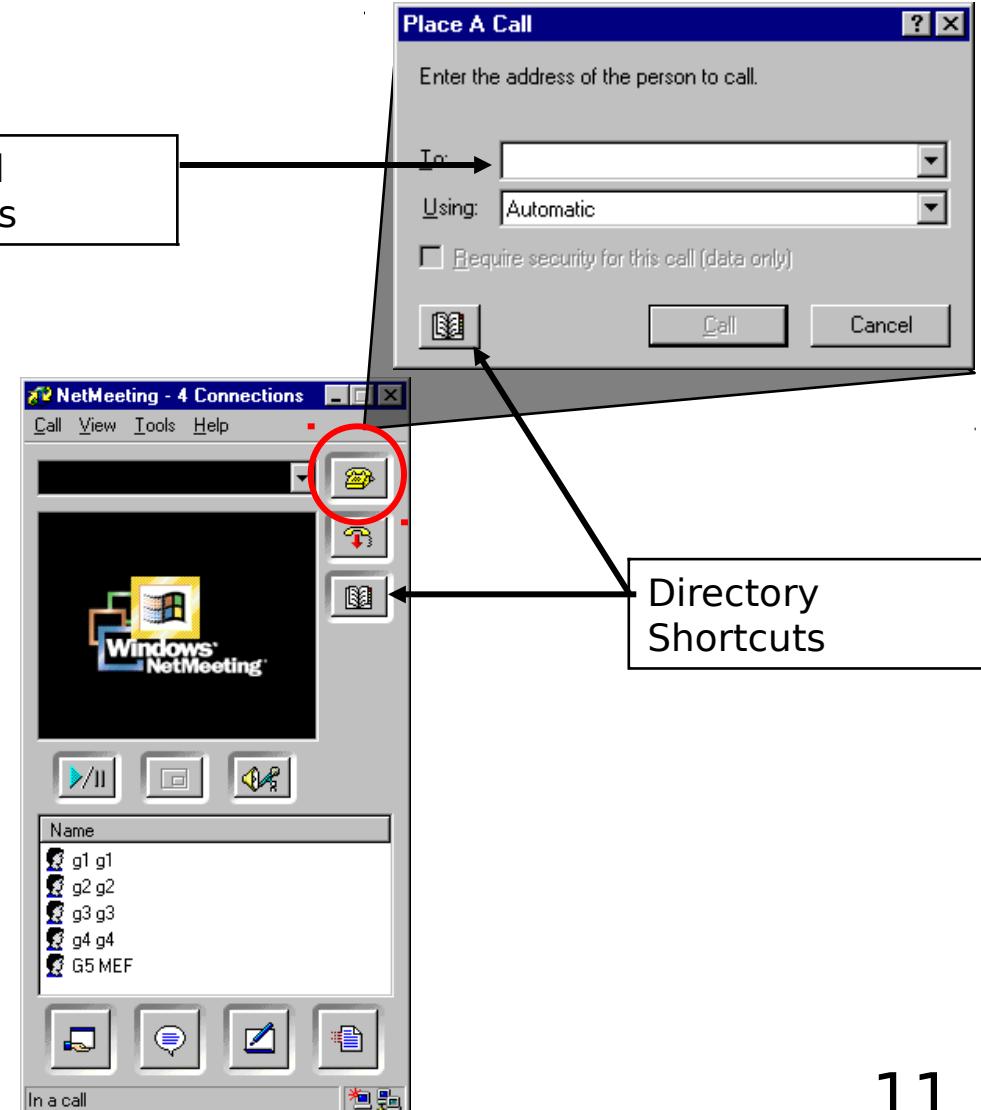
and E are also removed.



ESTABLISHING A CALL

MSTP

- Two ways
- 1. Use a directory
 - MS Internet Locator Services (ILS)
 - To use, select shortcut
- 2. Manually enter address
 - IP address
 - Ex: 132.168.24.78
 - Domain Name
 - fires0.mef.usmc.smil.mi





Lab Establish a Call

MSTP

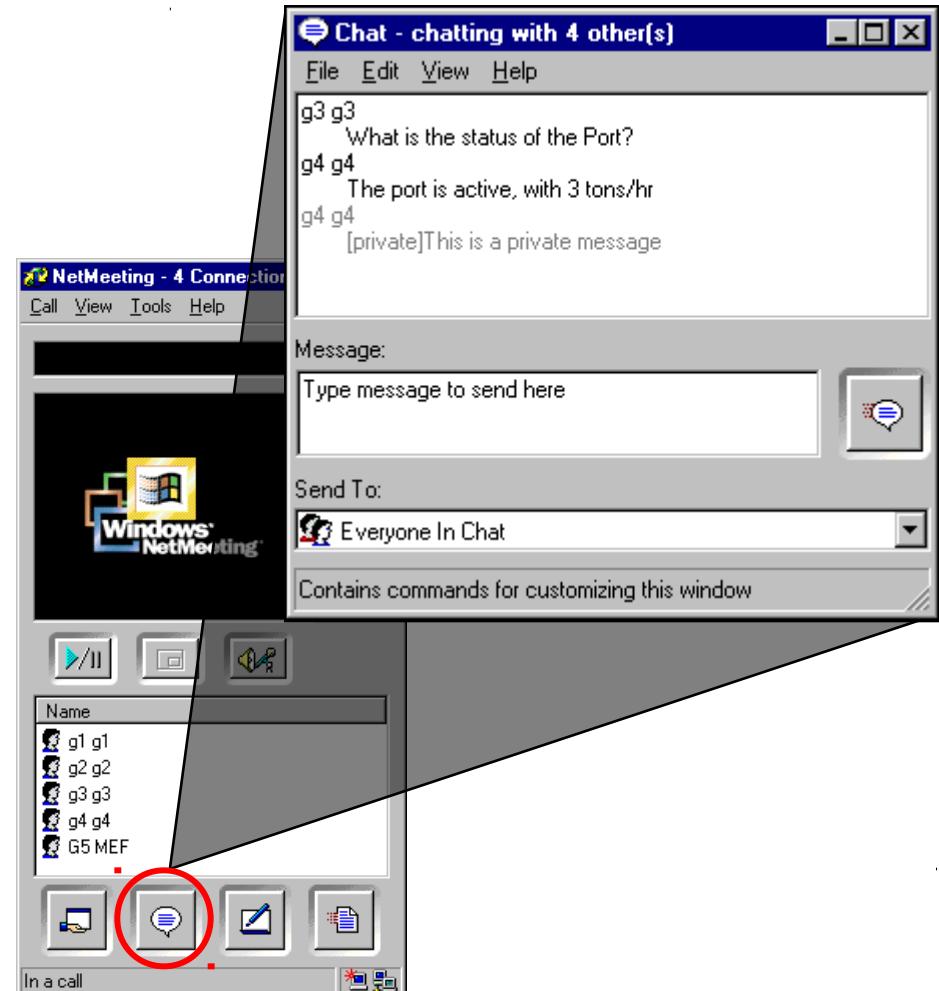
- Using the directory, establish a Netmeeting with everyone on your table
 - *Remember, only one can join at a time*



TEXT CHAT

MSTP

- Share ideas via typed text
- Used in absence of audio
- Public or private (whisper)



Lab: Establish a Chat Session



MSTP

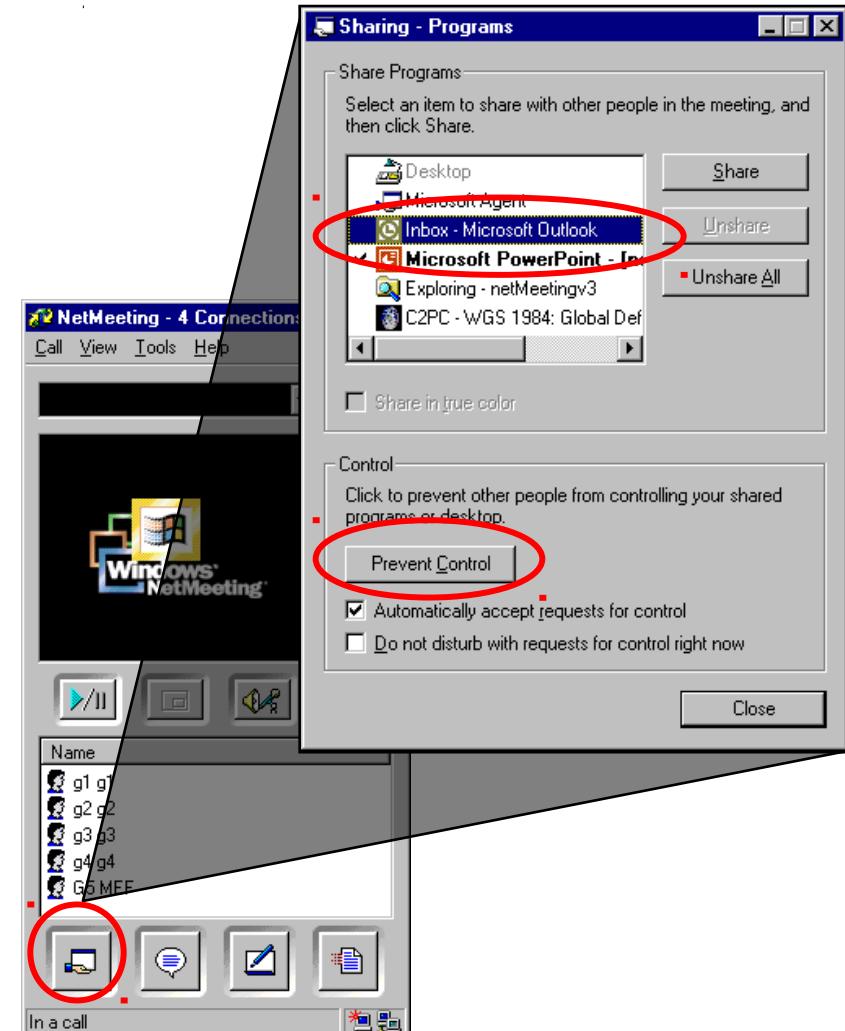
- Launch Chat and use it to coordinate the rest of this lab

APPLICATION SHARING



MSTP

- Share Program running on one computer with others
 - Others watch
 - Others may take control
- Click shortcut
 - Select application(s) to share
 - Enable Control
 - Auto process requests



Lab – Application Sharing



MSTP

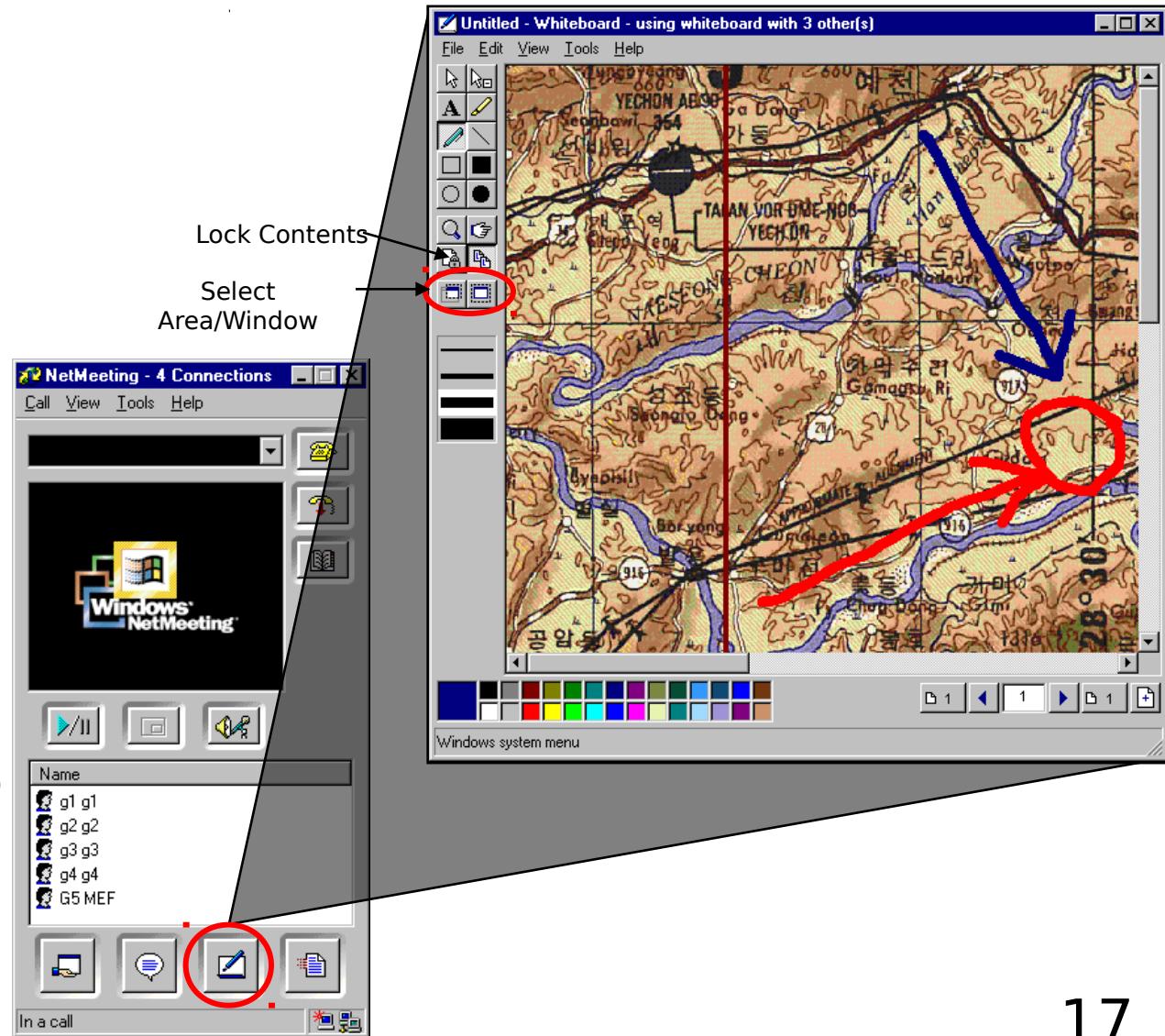
- One person at each table select an application and share it with others
- Everyone take control of the application
- Can share more than one simultaneously



WHITE BOARDING

MSTP

- Review, create and update graphical information at multiple locations
- Select Whiteboard icon
- Select area or window to paste on canvas





Lab - Whiteboarding

MSTP

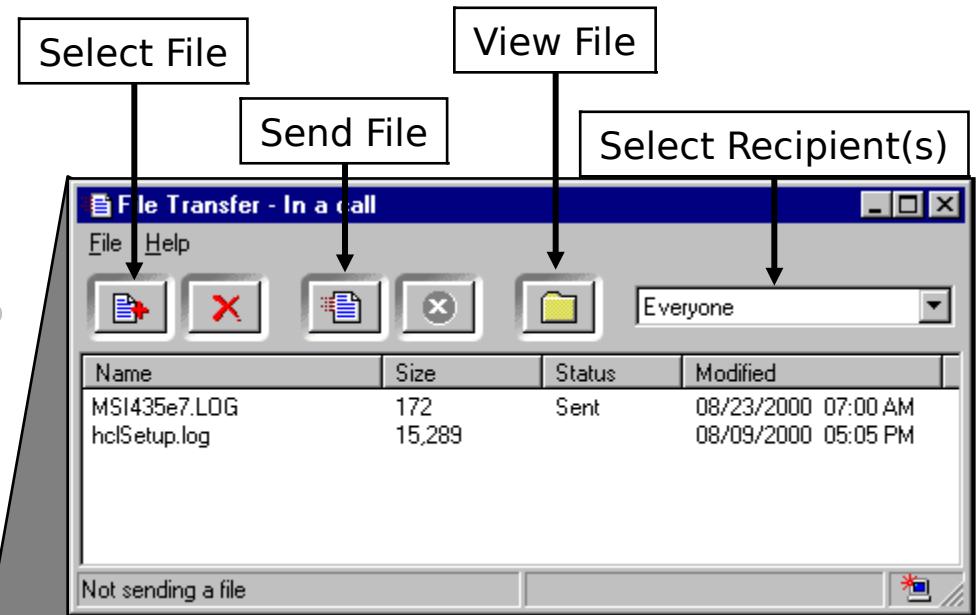
- One member of each group do the following:
 - Go to U:/GraphicsFiles and double-click on a graphic
 - Select Whiteboarding
 - Use the “Select Area” function to paste the graphic into your whiteboard
- All take turns drawing on the canvas



FILE TRANSFER

MSTP

- Send files to one or all participants





Lab – Transfer a File



MSTP

- Launch the file transfer tool
- Select a file to transfer and transmit it to all participants



Question

S